

AMENDMENTS TO THE SPECIFICATION

Please add the following heading before paragraph [0031]:

Brief Description of the Drawings

Please amend paragraph [0031] as follows:

[0031] The powder diffractograms of the crystalline forms of riboflavin anhydrate I, riboflavin anhydrate II, riboflavin anhydrate III, riboflavin monohydrate, riboflavin dihydrate and riboflavin tetrahydrate are displayed in Figure A-F. The intensity of the signal is shown on the y-axis; the scattering scale [theta] is depicted on the x-axis. According to IUPAC, the unit "theta" is defined as the angle between the forward direction of the incident beam and a straight line connecting the scattering point and the detector. Figures A through F each illustrates the X-ray diffraction of the different vitamin B₂ crystal modifications as follows:

Figure A illustrates the X-ray diffraction of riboflavin Anhydrate I.

Figure B illustrates the X-ray diffraction of riboflavin Anhydrate II.

Figure C illustrates the X-ray diffraction of riboflavin Anhydrate III.

Figure D illustrates the X-ray diffraction of riboflavin Monohydrate.

Figure E illustrates the X-ray diffraction of riboflavin Dihydrate.

Figure F illustrates the X-ray diffraction of riboflavin Tetrahydrate.

Please add the following paragraphs after paragraph [0031]:

[0031.1] Figure 1 illustrates the solubility lines of crystalline forms of riboflavin.

[0031.2] Figure 2 illustrates the supersaturation lines of crystalline forms of riboflavin.

[0031.3] Figure 3 illustrates the Dynamic Vapor Sorption (DVS) of riboflavin Anhydrate II, Monohydrate and Dihydrate.

[0031.4] Figure 4 illustrates the Dynamic Vapor Sorption (DVS) of riboflavin Anhydrate III and tetrahydrate.

[0031.5] Figure 5 illustrates the agarose gel electrophoresis analysis of the target DNA amplified with two primers by PCR.